

IN THE CLAIMS

1. (Currently amended) A regulating system for regulating, with respect to a reference level (V_{ref}), the level of an amplified signal (108), said regulating system comprising:
_____ attenuation means circuitry (201) for generating an attenuated signal (202) from said amplified signal (108) according to a programmable attenuation factor, and
_____ conversion means circuitry (203) for converting said attenuated signal (202) in order to generate an output signal (204) intended to be compared for comparison with said reference level (V_{ref}), wherein said conversion circuitry generates said output signal with a level proportional to the square of the effective value of said attenuated signal.

2. (Currently amended) A regulating system as claimed in claim 1, wherein: said attenuation means (201) comprise a network of resistances (R_{p1} , R_{s1} , R_{p2} , R_{s2} , R_{p3} , R_{s3} , R_{p4} , R_{s4} , R_{p5} , R_{s5}) defined by a set of π -structures connected in series, each node (A, B, C, D, E, F) of the π -structures being connected to a switch (SW_A , SW_B , SW_C , SW_D , SW_E , SW_F) intended to be activated for defining said programmable attenuation factor, said conversion means (203) comprise processing means (401, 402) for generating said output signal (204) with a level proportional to the square of the effective value of said attenuated signal (202).

3. (Currently amended) A regulating system as claimed in claim 2, wherein the switches (SW_A , SW_B , SW_C , SW_D , SW_E , SW_F) are intended to be activated by a command word (SA , SB , SC , SD , SE , SF) delivered by a digital bus (301).

4. A regulating system as claimed in ~~one of claims 1 to 3~~claim 1, comprising a voltage comparator (205) including an adjustable voltage/current converter (403), for generating an output current signal I_{AGC} being proportional to the difference between said output signal (204) and said reference level (V_{ref}).

5. (Currently amended) An integrated circuit comprising a regulating system as claimed in ~~one of claims 1 to 4~~claim 1.

6. (Currently amended) A tuner comprising a regulating system as claimed in ~~one of claims 1 to 4~~claim 1.